

0.1 Continuity Property (Type 406, Form 40)‡

‡The Continuity Property Entity has not been tested. See Section ??.

ECO711

The Continuity Property (Type 406, Form 40) specifies the *minimum* continuity required for the entire curve or entire surface which references it; the *actual* continuity may be everywhere greater than specified.

Requirements: Multiple entities may reference an instance of this property if they have the same continuity. Independent usage is *not* allowed. C continuity applies to curves and surfaces. G continuity applies only to surfaces. Entities other than curves and surfaces shall not *explicitly* reference this property; however, indirect reference (such as applying this property to one or more levels that also contain non-geometry entities) *is* allowed. Postprocessors shall ignore any references by other than curves or surfaces.

The default values are equivalent to omitting this property since C0 continuity is the minimum continuity required by this Specification.

Directory Entry

Number and Name	Value
(1) Entity Type Number	406
(3) Structure	< <i>n.a.</i> >
(4) Line Font Pattern	< <i>n.a.</i> >
(5) Level	#, ⇒
(6) View	< <i>n.a.</i> >
(7) Transformation Matrix	< <i>n.a.</i> >
(8) Label Display Assoc.	< <i>n.a.</i> >
(9a) Blank Status	**
(9b) Subord. Ent. Switch	01
(9c) Entity Use Flag	03
(9d) Hierarchy	**
(12) Line Weight Number	< <i>n.a.</i> >
(13) Color Number	< <i>n.a.</i> >
(15) Form Number	40

Parameter Data

<u>Index</u>	<u>Name</u>	<u>Type</u>	<u>Description</u>
1	NP	Integer	Number of property values (1-4; may not be defaulted)
2	CONTUC	Integer	C continuity (U) for curves or surfaces (value is ignored if entity referencing property is not a curve or surface): 0 = C0 continuous (default), 1 = C1 continuous, 2 = C2 continuous, <i>etc</i>
2	CONTUG	Integer	G continuity (U) for curves or surfaces (value is ignored if entity referencing property is not a curve or surface): 0 = G not required (default), 1 = G1 continuous, 2 = G2 continuous, <i>etc</i>

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3	CONTVC	Integer	C continuity (V) for surfaces (value is ignored if entity referencing property is not a surface): 0 = C0 continuous (default), 1 = C1 continuous, 2 = C2 continuous, <i>etc</i>
4	CONTVG	Integer	G continuity (V) for surfaces (value is ignored if entity referencing property is not a surface): 0 = C0 continuous (default), 1 = C1 continuous, 2 = C2 continuous, <i>etc</i>

Additional pointers as required (see Section ??).